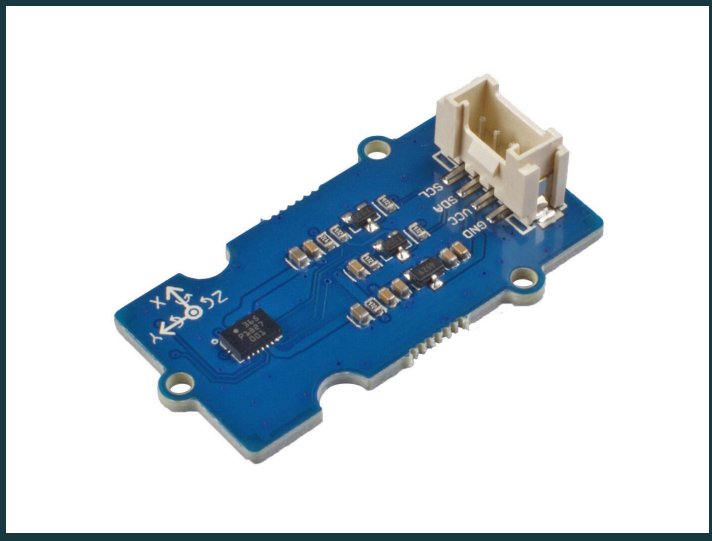
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INDUSTRIAL PRODUCT DATASHEET

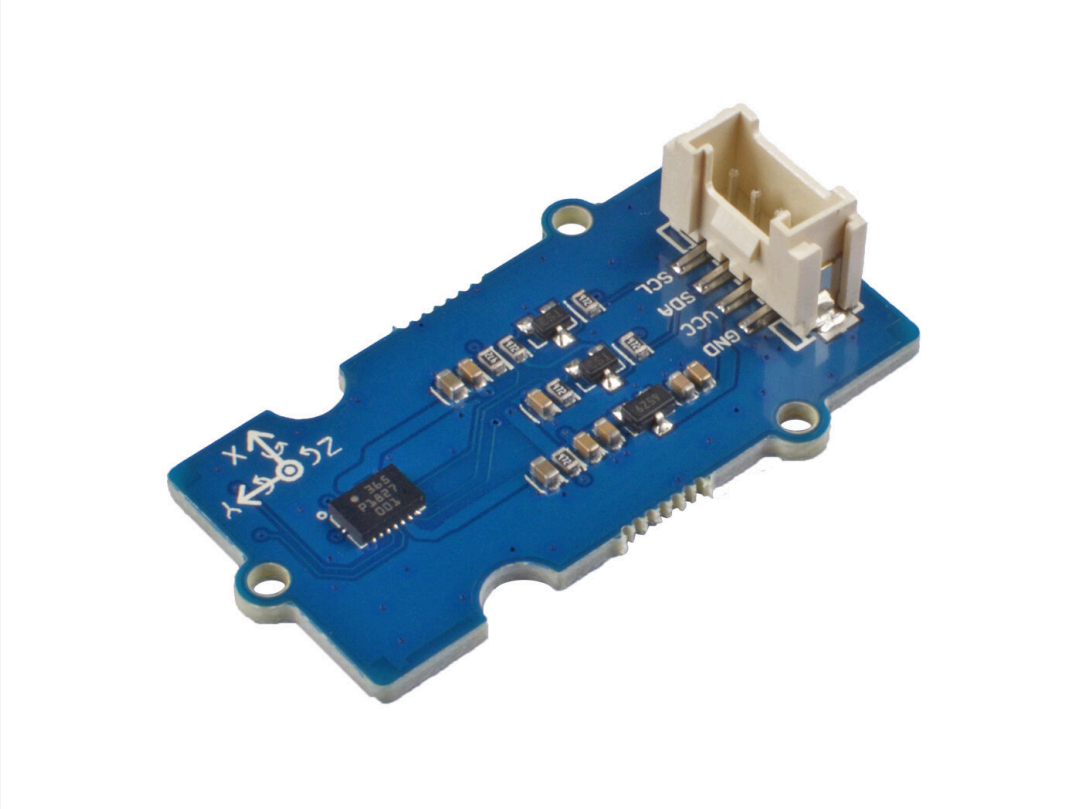
Grove - 6-Axis Accelerometer&Gyroscope (BMI088)

The Grove - 6-Axis Accelerometer&Gyroscope (BMI088) combines wide ±24g acceleration measurement, outstanding stability, excellent temperature behavior, and flexible synchronized operation in a Plug and Play Grove socket f...

SKU	UPDATED	PRICE
101020584	2026-11-03 03:37:12	$28.15(Excl. VAT)



Overview



The Grove - 6-Axis Accelerometer&Gyroscope (BMI088) offers wide acceleration measurement range up to ±24g, outstanding stability in harsh vibration environments, excellent temperature behavior with low TCO and TCS, and high flexibility with individually or synchronized operation of the gyroscope and accelerometer. Its Grove unified socket ensures Plug and Play, making it suitable for drones, flying toys, industrial robots, hover boards, and domestic applications such as vacuum cleaners and social robots.

Key Features

01 **Wide acceleration measurment range**

An extended measurement range of up to ±24g to avoid signal clipping under strong signal exposure.

02 **Outstanding stability**

BMI088 is designed to meet all requirements for high performance consumer applications in harsh vibration environments

03 **Excellent temperature behavior**

Outstanding low temperature coefficient of the offset (TCO) and temperature coefficient of the sensitivity (TCS).

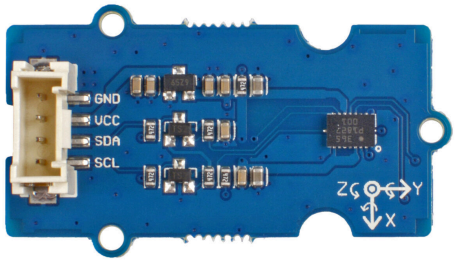
04 **High flexibility**

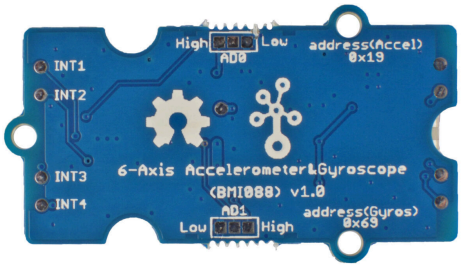
Both gyroscope and accelerometer can not only be operated individually, but tied together for data synchronization purposes.

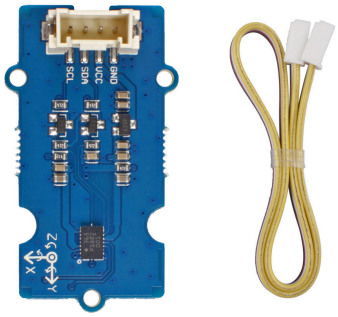
05 **Grove unified socket**

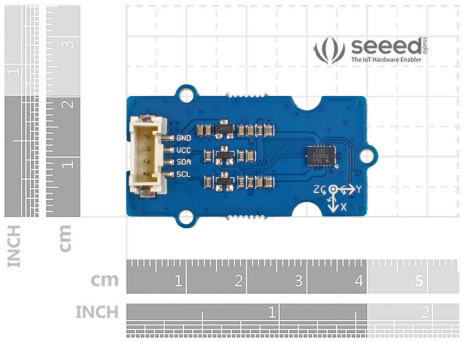
The kit ensures "Plug and Play" and could be versatile for various applications.

Product Gallery









Applications

- Drones and flying toys
- Industrial robots, hover boards
- Domestic applications(e.g. vacuum cleaner, social robots,etc.)

Resource Links

- https://www.seeedstudio.com/Grove-6-Axis-Accelerometer-Gyroscope-BMI088.html
- Grove - 6-Axis Accelerometer&Gyroscope(BMI088) Eagle Files
- Seeed BMI088 Library
- Datasheet BMI088
- XC6206 DATASHEET

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